

Date: Fri, 5 Aug 94 04:09:11 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #878
To: Info-Hams

Info-Hams Digest Fri, 5 Aug 94 Volume 94 : Issue 878

Today's Topics:

 15mW QSO's
 Car warrantee and 2m radio
 Daily Summary of Solar Geophysical Activity for 23 July
 IPS Daily Report - 04 August 94
 Mobile Radio in Dodge Caravan?
 Mods - "Alinco DR570"?
 Ramsey SlyFox
 Technician No Code (2 msgs)
 Where to QSL Shuttle Please ??

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 03 Aug 1994 20:35:45 GMT
From: newsserver.jvnc.net!howland.reston.ans.net!europa.eng.gtefsd.com!
swiss.ans.net!malgudi.oar.net!witch!ted!mjsilva@RUTGERS.EDU
Subject: 15mW QSO's
To: info-hams@ucsd.edu

According to "200 Meters and Down" (ARRL pub.), in 1923 a QSO was
completed between Australia and New Zealand (~1500 miles) using 4mW.
The book also states that the 4mW signal was heard an additional 1400
miles away. 2900 miles on 4mW *input*! No mention of the
frequency -- anyone care to speculate?

Mike, KK6GM

Date: Thu, 4 Aug 1994 20:49:28 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!uwm.edu!
mixcom.com!kevin.jessup@network.ucsd.edu
Subject: Car warrantee and 2m radio
To: info-hams@ucsd.edu

In <31m6iv\$f94@news.bu.edu> david@bu.edu (David Gagnon) writes:

>I am in the process of looking for a new car and someone brought up the
>possibility that installing a 2m rig might void a new car warrantee. His
>thought was that the radio might do damage to the cars computer and that
>having the radio might invalidate a provision of the warrantee.

This was a big worry for me till I decided to just DO it (and do it
right). Everything worked out fine.

I have two Jap cars: a 1991 Toyota Tercel and a 1992 Honda Civic LX.
Both have 50 Watt mobile rigs.

Run 14 guage wire directly from the radio to the battery (fused of
course) and put the antenna on the trunk or on the roof. Keep
the coax away from the engine computer. You'll be fine.

Some people like to connect their high-power rigs to the cigarette
lighter. Bad idea. Do NOT use any of the existing electrical
system.

--

/`-_	kevin.jessup@mixcom.com		The US Constitution defines the
{	}/ Marquette Electronics, Inc		"rights" the people give to the
\	/ Milwaukee, Wisconsin, USA		government, not the reverse!
__*	N9SQB, ARRL, Amateur Radio		

Date: Thu, 4 Aug 1994 07:55:14 MDT
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!
travelers.mail.cornell.edu!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!@ihnp4.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 23 July
To: info-hams@ucsd.edu

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23 JULY, 1994

(Based In-Part On SESC Observational Data)

NOTE: The background x-ray flux is inaccurate, but was between A1.0 and A9.9.

```
!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 204, 07/23/94
10.7 FLUX=076      90-AVG=080      SSN=018      BKI=1302 2211  BAI=005
BGND-XRAY=A1.0      FLU1=1.4E+06  FLU10=1.5E+04  PKI=1312 2223  PAI=007
    BOU-DEV=006,026,004,015,010,019,008,008  DEV-AVG=012 NT      SWF=00:000
    XRAY-MAX= B1.0    @ 0656UT      XRAY-MIN= A1.5    @ 2030UT      XRAY-AVG= A3.4
NEUTN-MAX= +002%    @ 2315UT      NEUTN-MIN= -001%    @ 2310UT      NEUTN-AVG= +0.5%
    PCA-MAX= +0.1DB @ 2235UT      PCA-MIN= -0.1DB @ 2355UT      PCA-AVG= +0.0DB
BOUTF-MAX=55249NT @ 0941UT      BOUTF-MIN=55222NT @ 1954UT      BOUTF-AVG=55237NT
GOES7-MAX=P:+000NT@ 0000UT      GOES7-MIN=N:+000NT@ 0000UT      G7-AVG=+081,+000,+000
GOES6-MAX=P:+154NT@ 2044UT      GOES6-MIN=N:-034NT@ 2359UT      G6-AVG=+116,+033,-013
    FLUXFCST=STD:075,075,075;SESC:075,075,075  BAI/PAI-FCST=010,015,015/015,015,015
    KFCST=2234 1222 2345 1233  27DAY-AP=025,023  27DAY-KP=3444 4454 6452 3323
WARNINGS=
ALERTS=
!!END-DATA!!
```

NOTE: The Effective Sunspot Number for 22 JUL 94 is not available.
The Full Kp Indices for 22 JUL 94 are not available.
The 3-Hr Ap Indices for 22 JUL 94 are not available.
Greater than 2 MeV Electron Fluence for 23 JUL is not available.

The only notable event was a disappearing filament which erupted sometime between 16:55 UTC and 18:20 UTC in the southwest quadrant.

Solar activity is expected to continue very low.

The geomagnetic field was generally quiet to unsettled. A few brief active periods were observed over some high latitude stations.

The geomagnetic field is expected to continue mostly quiet to

mildly unsettled.

HF propagation conditions were near-normal over all regions.
Near-normal propagation is expected to persist over the next 72 hours.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 23/2400Z JULY

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7757	N13W19	333	0150	CS0	05	008	BETA	
7756	S12W45	359					PLAGE	
7758	S15E02	312					PLAGE	

REGIONS DUE TO RETURN 24 JULY TO 26 JULY

NMBR LAT LO
NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 23 JULY, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 23 JULY, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
23/B1655		B1820	S22W54	DSF				

INFERRED CORONAL HOLES. LOCATIONS VALID AT 23/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS

EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
NO DATA AVAILABLE FOR ANALYSIS								

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
22 Jul:	1445	1450	1454	B2.2	SF	7758	S11E17			
24 Jul:	0350	0400	0414	B1.0						
	1335	1339	1342	B1.2						

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7758:	0	0	0	1	0	0	0	0	001	(33.3)
Uncorrelated:	0	0	0	0	0	0	0	0	002	(66.7)

Total Events: 003 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
22 Jul:	1445	1450	1454	B2.2	SF	7758	S11E17	III,V

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Thu, 4 Aug 1994 23:22:40 GMT
 From: ihnp4.ucsd.edu!agate!msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!
 metro!ipso!rwc@network.ucsd.edu
 Subject: IPS Daily Report - 04 August 94

To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 04/2330Z AUGUST 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 04 AUGUST AND FORECAST FOR 05 AUGUST - 07 AUGUST

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 75/13

GOES satellite data for 03 Aug

Daily Proton Fluence >1 MeV: 1.3E+06

Daily Proton Fluence >10 MeV: 1.3E+04

Daily Electron Fluence >2 MeV: 4.9E+07

X-ray background: A2.7

Fluence (flux accumulation over 24hrs)/ cm²-ster-day.

1B. SOLAR FORECAST

	05 Aug	06 Aug	07 Aug
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 05 Aug: 75/13

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet

Estimated Indices :	A	K	Observed A Index 03 Aug
Learmonth	4	2111 2111	
Fredericksburg	5		5
Planetary	4		5

Observed Kp for 03 Aug: 2101 1123

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
05 Aug	5	Quiet
06 Aug	5	Quiet
07 Aug	5	Quiet

COMMENT: Quiet conditons expected until August 10.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH

04 Aug normal normal normal
PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
05 Aug	normal	normal	normal
06 Aug	normal	normal	normal
07 Aug	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed
DATE T-index MUFs at Sydney
04 Aug 23 near predicted monthly values

Predicted Monthly T-index for August: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
05 Aug	20	Near predicted monthly values
06 Aug	20	Near predicted monthly values
07 Aug	20	Near predicted monthly values

COMMENT: Spread F observed during local night.

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: Thu, 4 Aug 1994 07:39:23
From: news.sprintlink.net!indirect.com!s146.phxslip.indirect.com!
lenwink@uunet.uu.net
Subject: Mobile Radio in Dodge Caravan?
To: info-hams@ucsd.edu

In article <31oebn\$ncm@paperboy.gsfc.nasa.gov> lvn@cen.com (Larry Novak) writes:
>Path: indirect.com!news.sprintlink.net!hookup!news.kei.com!eff!news.umbc.edu!
haven.umd.edu!cs.umd.edu!newsfeed.gsfc.nasa.gov!lvn
>From: lvn@cen.com (Larry Novak)
>Newsgroups: rec.radio.amateur.misc
>Subject: Mobile Radio in Dodge Caravan?
>Date: 3 Aug 1994 15:50:15 GMT
>Organization: Century Computing, Inc., Laurel, MD
>Lines: 7
>Distribution: usa
>Message-ID: <31oebn\$ncm@paperboy.gsfc.nasa.gov>

>NNTP-Posting-Host: fox.gsfc.nasa.gov
>Mime-Version: 1.0
>Content-Type: text/plain; charset=US-ASCII
>Content-Transfer-Encoding: 7bit

>I'm about to install my 2 meter mobile in my Dodge Caravan and would
>like to hear what others have done. Offhand, no outstanding location for
>mounting it is leaping out at me.

>Thanks,
>Larry, K3TLX

I merely drilled my dual bander into the right hand side of the center hump.
And got power from the fuse box. It works. 73, Len, KB7LPW

Date: Thu, 4 Aug 94 13:02:42 GMT
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!spool.mu.edu!agate!
library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!cs.utexas.edu!convex!
news.onramp.net!news!dougfree@network.ucsd.edu
Subject: Mods - "Alinco DR570"?
To: info-hams@ucsd.edu

I have been looking for Mods for a "Alinco DR-570". (Wide band receive,
Mars, etc.) I have checked "oak.oakland.edu" but none are listed. I don't
know of any other FTP sites that have a good selection of mode other than
there. Please post or EMail. Any help would be appreciated.

73s - CUL
Doug Freeman
KC5ION
dougfree@onramp.net

Date: Thu, 4 Aug 94 23:19:59 PDT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!
portal.com!portal!cup.portal.com!JoeMoell@network.ucsd.edu
Subject: Ramsey SlyFox
To: info-hams@ucsd.edu

>IMHO, the gist of the original post was, "the SlyFox doesn't meet FCC specs
>and there is a 73 article on the way that will verify that fact!".

Well, if that's what the post said, the writer did not read the article carefully.

>It was
>posted so far in advance of your article that it had expired by the time
>I got my 73 and read the article. It was that original posting which
>prompted the start of this thread, not your article.

I talked to the Sr. Technical Editor of 73 today. He said that it is their standard policy to fax manuscripts of reviews to manufacturers for comment. The mfr is allowed to correct factual errors, but may not change the editorial content and "tone" of an article. He also said advance info on this particular review was not given to anyone else. We both concluded that any "leak" must have come as a result of the preview by Ramsey. Note that Ramsey did not dispute the facts in the article.

>Then get with the manufacturer and fix the problem! After all it is simply
>a paper problem. The manual is not fixed in concrete.

I hope Ramsey corrects the manual. Perhaps they have by now, but they certainly have not stated so. The last post from the company here said: "The manual clearly states to spread the coils for max power output." This is not only misleading, but it also indicates a continuing denial of any deficiency on their part.

>In the past, (sigh), a reputable magazine would have immediately
>notified the kit manufacturer of any problems with the kit (including the
>>manual). They would not have published something designed to hurt sales
>unless the company refused to fix the problem.

My design was not to hurt sales, and I'm sure 73 is not interested in hurting sales, either. Overall, the article is not nearly as negative as you are making it out to be. Read the whole piece again.

>If it had been me reviewing the kit, I would have immediately notified
>the company that the manual needs improving. I would have published the
>suggested manual improvements in the article and posted them on
>oak.oakland.edu (did you?)

Ramsey was notified, both by me and by 73 Magazine. The deficiencies in the manual are clearly explained in my article. So except for the Internet post, everything has been done just as you would have it.

>I would not have taken a "poor me" attitude. ...
>a biased review of a reasonable product.

As a famous President said, "There you go again!" Please quote me a sentence from the review that shows a "poor me" or biased attitude. Actually, I rather enjoyed the challenge of getting the thing working, but I kept in mind how it would have been for someone who was building this as a first kit. Remember, the manual says this kit is not for beginners, but the

catalog does not give any warning before purchase. Anyone having trouble with the kit because of its incomplete instructions will learn just what to do to fix it by reading my article.

>There is nothing wrong with the kit as far as I can tell, just with the
>>manual.

You'd better read my article again. There were a couple of other important problems. The most important was that final output power (with proper tuning) never met specs on BOTH the kit and the Ramsey-wired unit. Yes, I measured and remeasured carefully, because I couldn't believe it at first. I ended up checking on no less than four different power meters, including two Bird 4431's, the last one traceable to national standards. Two different dummy loads were used, both mil-spec microwave types, good to DC through 3 GHZ, so it wasn't a SWR problem.

>An addendum mailed to previous purchasers and included in the
>>manual solves the problem.

You're kidding, aren't you? I have never heard of any small kit manufacturer sending out notices to previous buyers, unless safety was at stake. I bet they would laugh if you suggested it. Besides mail order, Ramsey products are sold for cash by distributors, in stores, at conventions and even at swap meets. There is no way for them to know who owns which kits. And who knows how many are in the distribution pipeline? 73 actually did Ramsey a service by publishing important information that would be difficult to successfully distribute by direct methods.

73 de Joe K00V (not speaking for 73 Magazine)

Date: Thu, 4 Aug 1994 21:02:16 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!uwm.edu!
mixcom.com!kevin.jessup@network.ucsd.edu
Subject: Technician No Code
To: info-hams@ucsd.edu

In <egela003.775839471@maroon> egela003@maroon.tc.umn.edu (Ryan D Egeland) writes:

>I am currently preparing for the Technician no-code FCC amateur liscence.
>If anyone has passed this examination and moved on to a higher class, I
>would like to know whether it is really worth it to spend all that time
>learning the code.

It's NOT worth it if nothing on HF appeals to you. Then again, you have to actually TRY some things before you know if you'll like

them or not.

It's quite a diverse hobby and has something for everyone. Both technical and non-technical aspects of the hobby can keep you very busy. If you become a member of a club and are an active member or official, you may find time for little else!

Right now, I have no interest in operating on HF. I did take the 5 WPM and found it pretty easy. I went from 0 WPM to solid copy on the 5 WPM test in only 3 weeks. On average, I did three 20-minute study sessions per day using the Radio Shack Gordon West tapes and the Super Morse program for the IBM PC. Your mileage may vary.

As someone probaly said already, you'll be waiting for the ticket anyway. One option is to use that time studying Morse code.

Good luck, and welcome!

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```
/'- _      kevin.jessup@mixcom.com | The US Constitution defines the
{      }/ Marquette Electronics, Inc | "rights" the people give to the
\      / Milwaukee, Wisconsin, USA | government, not the reverse!
|__*| N9SQB, ARRL, Amateur Radio |
```

Date: Wed, 03 Aug 1994 20:13:37 GMT
From: newsserver.jvnc.net!howland.reston.ans.net!europa.eng.gtefsd.com!
swiss.ans.net!malgudi.oar.net!witch!ted!mjsilva@RUTGERS.EDU
Subject: Technician No Code
To: info-hams@ucsd.edu

In article <egela003.775839471@maroon>, Ryan D Egeland
(egela003@maroon.tc.umn.edu) writes:

>

>I am currently preparing for the Technician no-code FCC amateur liscence.
>If anyone has passed this examination and moved on to a higher class, I
>would like to know whether it is really worth it to spend all that time
>learning the code. I am mainly interested in microwave data transfer
>right now, but I may like to get into DX someday. (???). I have
>successfully DXed with my CB & a homebrew antenna on the standard 4
>watts, but don't care for the CB crowd much. I have listened to the
>2 meter band on my scanner, but can't quite get a good feel for what it's
>all about. I have been fooling around with circuts and electronics for
>about eight years now, and really find an interest in making antennas,

>circuits, etc. Any opinions (especially about the value of a higher
>liscence) appreciated.

 \succ

My general suggestion in cases like yours is to take your Tech test, and then, in the many weeks of dead time while you wait for your ticket, study the code. HF offers a lot that you won't get on VHF+ (as well as the other way around). Stopping with the Tech is kind of like going to B&R and only getting to choose from 15 flavors. Unless you're **sure** you only want VHF+, get the code out of the way now and keep your options open.

73,
Mike, KK6GM

Date: 5 Aug 1994 17:16:39 +1000
From: munnari.oz.au!yarrina.connect.com.au!warrane.connect.com.au!
vulpes.pwd.nsw.gov.au!vulpes.pwd.nsw.gov.au!not-for-mail@uunet.uu.net
Subject: Where to QSL Shuttle Please ??
To: info-hams@ucsd.edu

I was finally successful in contacting STS-65's packet robot after many attempts, so would like a card. Can someone please tell me the address to send my card to?

thanks

Paul VK2AHB

— —

```

| Paul Rodenhuis
| Database Administration
| Information Services Branch
| NSW Public Works Dept
| paulr@pwd.nsw.gov.au (02)-372-7037 B
| VK2AHB@VK2RWI (02)-449-9212 H

```

Date: 5 Aug 1994 07:23:33 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!eff!news.kei.com!
ssd.intel.com!chnews!scorpion.ch.intel.com!cmoore@network.ucsd.edu
To: info-hams@ucsd.edu

References <940725102304_2@ccm.hf.intel.com>, <gregCtpsvI.Ao0@netcom.com>,
<hY9RUEN.jramsey@delphi.com>ssd.
Subject : Re: Ramsey SlyFox

In article <hY9RUEN.jramsey@delphi.com>, <jramsey@delphi.com> wrote:
>Greg Bullough <greg@netcom.com> writes:

Hi John, before you get blasted for misquoting, it was I who wrote the following quoting from Joe's '73' article. Things are a little confused because the original email out of ucsd.edu to which I objected occurred before I got my July '73' and therefore could not have been Greg's. Sometimes these interchanges take on an Abbott and Costello, "Who's on First?" flavor.

>>>Quoting again, "But when I spread the turns on the kit unit... and
>>>retuned the final capacitor, power increased dramatically... The second,
>>>third, and fourth harmonics of the kit now measure -70, -50, and -70 dB
>>>respectively, _EASILY_ satisfying FCC requirements. All spurious
>>>emissions are better than 54 dB below the carrier..." (emphasis mine)
>>>Every kit builder should have a wattmeter and a dummy load,(available
>>>from Radio Shack).

>

There doesn't seem to be any objection to the way the kit works, just that there was not quite enough tuneup information in the manual. Maybe an insert that says, "The low-pass filter must be tuned such that the crossover frequency is higher than the frequency of operation" would do the trick. There are minor mods for the FX transceivers posted on oak.oakland.edu and I hope that Joe will post his suggested additions to the SlyFox manual there and share them with Ramsey Electronics.

73, Cecil, KG7BK, 00TC (Not speaking for Intel)

Date: 4 Aug 1994 15:33:57 GMT
From: noc.near.net!hopscotch.ksr.com!jfw@uunet.uu.net
To: info-hams@ucsd.edu

References <319onr\$h8u@hobbes.cc.uga.edu>, <MONTA.94Jul30012813@pixel.mit.edu>,
<31h20n\$h8h@starcomm.overleaf.com>
Subject : Re: REQUEST: Help finding WWV receiver!

n2kra@starcomm.overleaf.com (Michael J. Ferrador N2KRA) writes:

>Peter Monta (monta@pixel.mit.edu) wrote:

<: There was someone who would occasionally post a "CHU preach"

>: on comp.protocols.time.ntp extolling the virtues of transmitting

<: time-code during seconds 31--39 in Bell 103 format, i.e., the

>: 300 bps modem format. An FSK receiver and some trivial glue

<: gets you a box with RS-232 time output.

> Heathkit (Ahh, the memories come back...) used to have "The Most

<Accurate Clock" which would auto-lock to the strongest out of 5, 10

>and 15Mhz and had an optional RS-232 output.

< I also remember seeing an ISA PC board setup, but much more
>expensive (\$500). I don't remember who made it.
> Anyone seen products in this catagory?

Marcus Leech, VE3MDL, once made available a design for a CHU receiver/decoder box. I don't remember where I ftp'd it from; his email address is listed as mleech@bnr.ca and ve3mdl@ve3mdl.ampr.org in the README file. If someone can offer an ftp site with real bandwidth behind it, I can upload what I have (if no one knows what the Official FTP sire was).

John, WB7EEL/1

End of Info-Hams Digest V94 #878
